

**Thin-Film Battery Having Ultra-Thin
Electrolyte and Associated Method**

5

Abstract of the Disclosure

10 A method and system for fabricating solid-state energy-storage devices including fabrication films for devices without an anneal step. A film of an energy-storage device is fabricated by depositing a first material layer to a location on a substrate. Energy is supplied directly to the material forming the film. The energy can be in the form of energized ions of a second material. Supplying energy directly to the material and/or the film being deposited assists in controlling the growth and stoichiometry of the film. The method allows for the fabrication of ultrathin films such as electrolyte films and dielectric films.

"Express Mail" mailing label number: EL671638353US

Date of Deposit: March 23, 2001

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to the Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.